



Newtown Creek Early Action Follow-Up Meeting

April 11, 2018



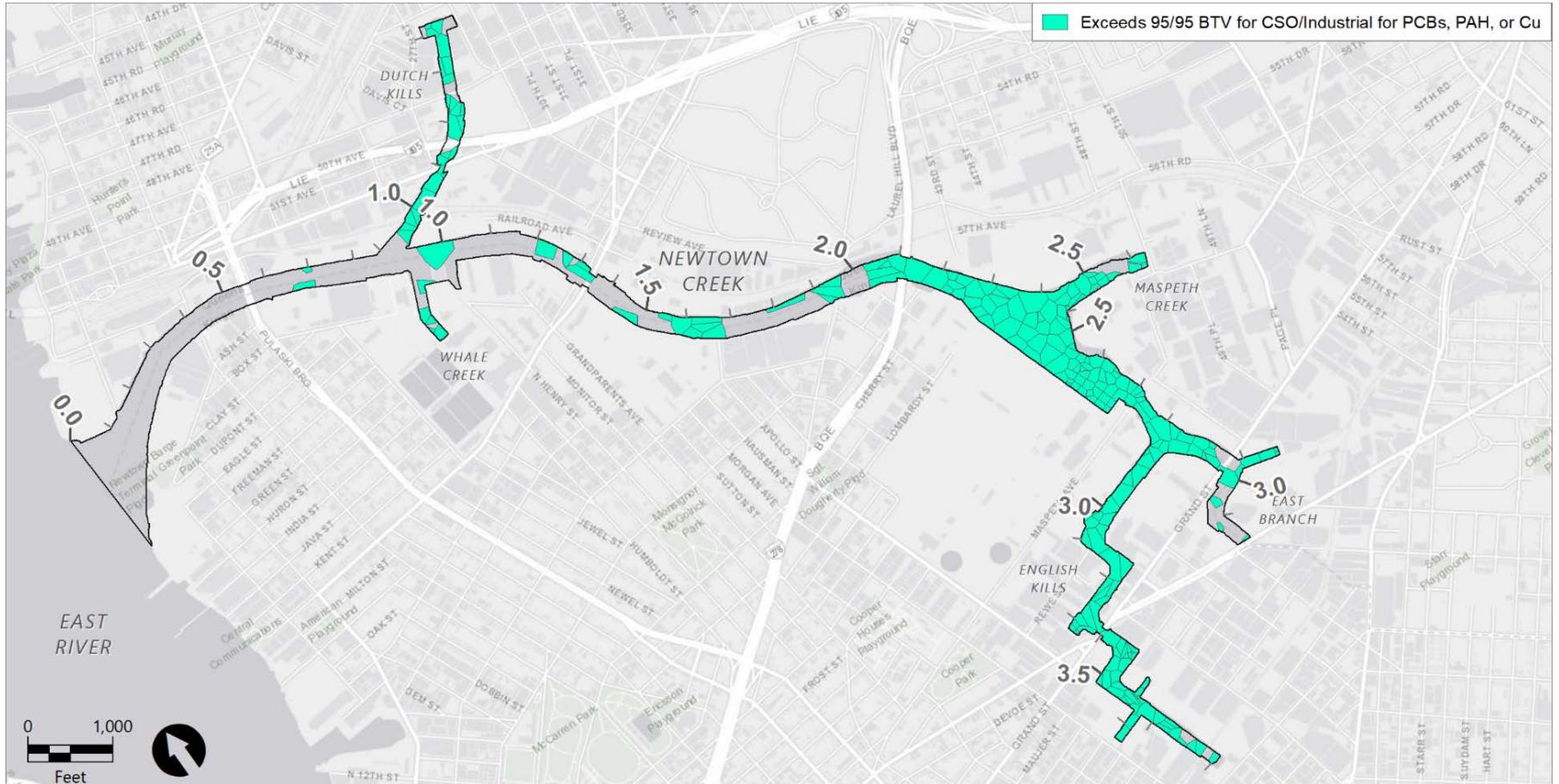
NCG and NYC Need for Cleanup Goals

- Linkage between AOC signees on need for PRGs
- NYC needs PRGs to develop a basis of design for LTCP
- Creates a basis for source control activities, consistent with sediment remedy principle
- The NCG needs PRGs to accelerate cleanup via Early Action
- Both parties agree BTVs are an appropriate lower bound when establishing risk-based PRGs
- Both parties recognize steps in BERA process must be complete and are working toward timely conclusion
- Work with EPA to determine regulatory mechanism

Benefits of Early Action

- Coordinates CWA and CERCLA programs with one set of cleanup goals for entire Site
- Accelerates cleanup
- Addresses large portion of Site, a positive outcome for key stakeholders
- Integrates background into realistic cleanup goals for Newtown Creek, sets expectations for site-wide remedy
- *What about the rest of the creek?*

Surface Sediment Areas Exceeding CSO/Industrial BTVs for PAH (17), PCBs and/or Copper

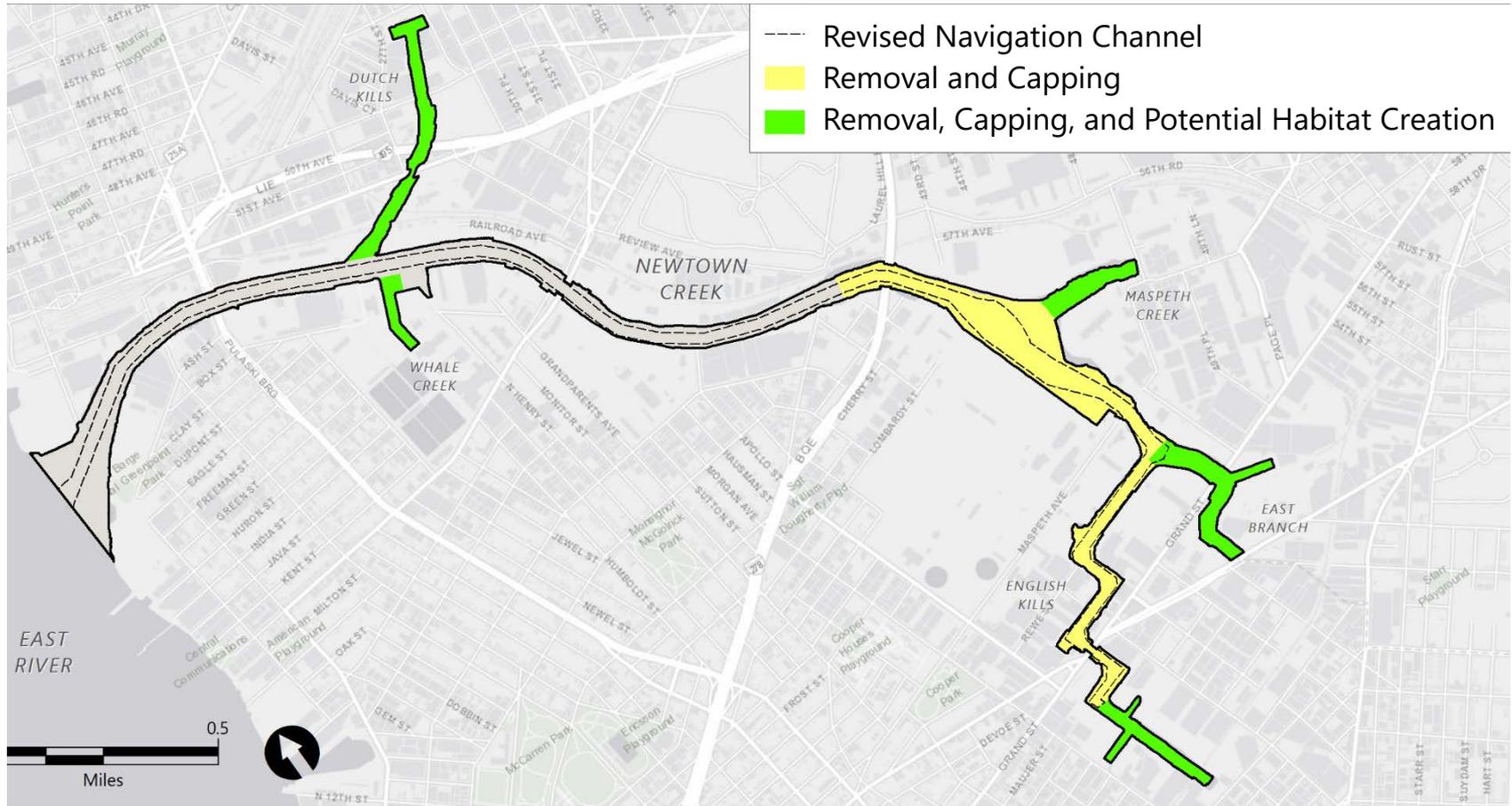


Factors Driving Different Remedy Outside CM 0 – 2

- Areas exceeding BTVs are more prevalent
- Toxicity is more prevalent
- Greater influence of sources other than East River
- Less stable sediments in some areas (e.g., Turning Basin) due to navigation factors
- NAPL presence
- Opportunity for habitat restoration in tributaries is greater than main stem

Potential Remedy for Rest of Creek

Removal with capping, potential for wetland creation, reauthorized navigation channel



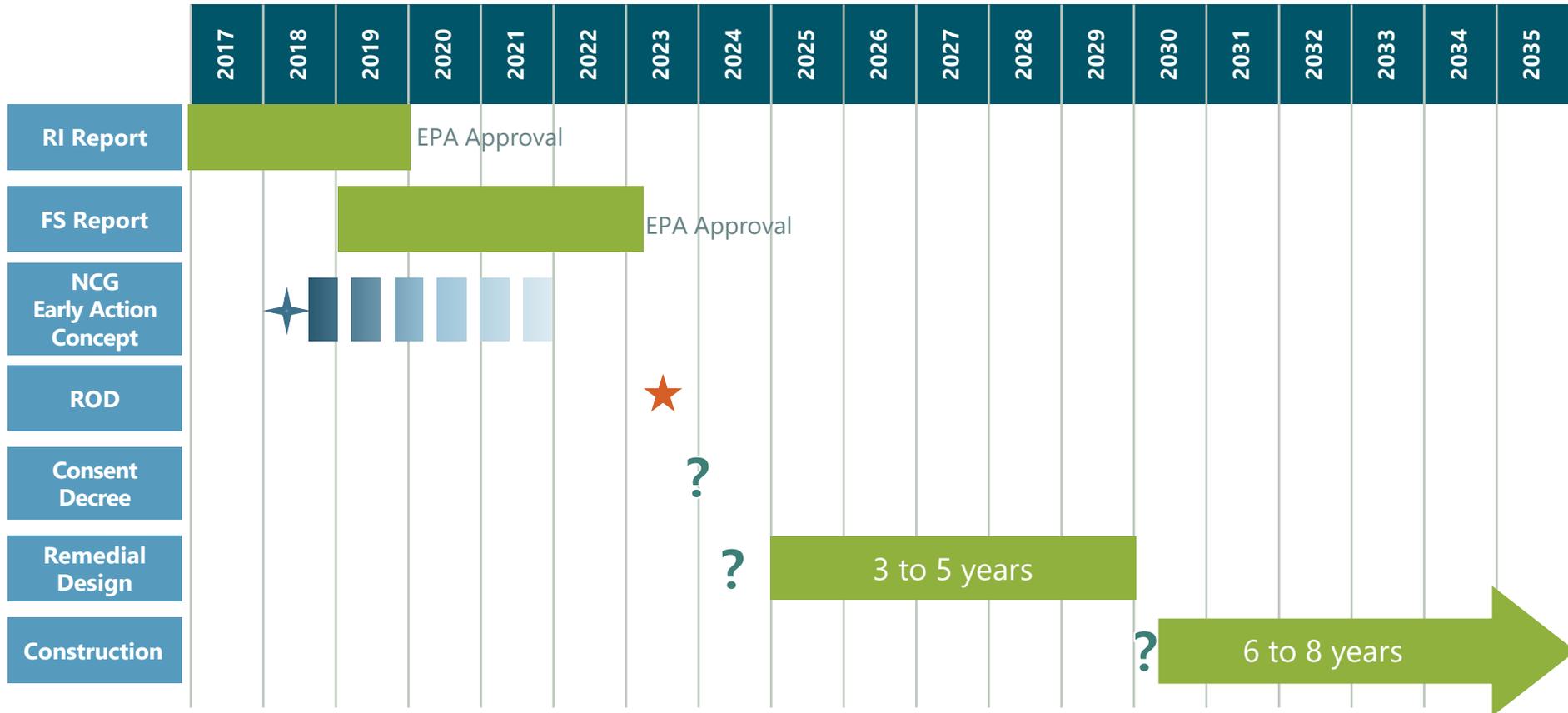
Data Gaps and Uncertainty in CM 2+

- FS field program data collection to be completed in 2018
 - Shoreline and opportunistic seep data under review
 - NAPL delineation data under review
 - NAPL mobility data from CM 0 – 2 under review; data from upper portions of creek to be collected in spring 2018
 - Geotech program to be completed in spring 2018
 - Ebullition full-scale study to be completed in summer 2018
- Need to finalize BERA
- Need to finalize RAOs and PRGs
- Upland source control status

Conceptual Site-Wide Remedy: Next Steps

- Different remedial approaches to be considered for Turning Basin and tributaries, FS needs to be completed
 - Extent of removal optimized
 - Capping evaluation commensurate with removal approach
 - In situ stabilization and other remedial technologies also will be evaluated
 - Restoration opportunities integrated with remedial approaches as appropriate
 - Fate and transport modeling to evaluate remedy effectiveness
- Full creek remedy outlook 10+ years to design and construct post-FS and ROD

Draft Newtown Creek Schedule* and NCG Early Action Concept



* Schedule based on NCG proposed revisions provided to USEPA on October 31, 2017.

Key:

- = Task Timeframe
- ★ = Milestone
- ★ = FS RAO/PRG Memo
- ? = TBD

Synergies of Early Action

- Action aligns with USEPA Administrator SF reform initiatives
- Helps coordinate CERCLA and CWA actions by providing certainty in cleanup goals
- Allows for faster remedial action in nearly half of the creek in advance of the final ROD, with monitoring to confirm effectiveness
- Economic benefit of getting a significant portion of the site remediated within an expedited timeframe
- Opportunity to align community benefit project

Questions/Discussion

